

CATALOGUE OF THE MUSEUM

OF THE

ODONTOLOGICAL SOCIETY OF GREAT BRITAIN.



Printed for the Society by

WYMAN & SONS, 74-5, GREAT QUEEN STREET.

March, 1872.

THE Specimens presented to the Museum by Mr. EDEN, of Queensland, have not as yet arrived, although they are overdue ; they have, however, been inserted in the Catalogue, in order to render this as complete as possible.

The Museum is exceedingly deficient in Models illustrating the Treatment of Irregularities: complete Cases, comprising a Model before treatment was commenced, the apparatus used, and a Model after the completion of the case (together with a statement of the length of time during which the apparatus was worn), would be most acceptable and valuable donations.

It would greatly add to the value of Specimens if Donors would send in with their donation a *written* statement of such points as may be essential: this is especially necessary in the case of Models, of which great numbers now in the Museum have been rendered valueless by the absence of such information.

CHARLES S. TOMES. *Curator.*

PREFACE.

ALTHOUGH the Museum of the ODONTOLOGICAL SOCIETY has been in existence for sixteen years, no complete Catalogue of its contents has hitherto been made; and what is still more to be regretted, great numbers of the Specimens have never been classified and arranged. Moreover the interest attaching to many of them is entirely dependent on their history, and where all record as to their source has been lost, as is the case in very many instances, the value of the specimen is destroyed.

Wherever it has been possible to ascertain them, the names of Donors have been appended to their gifts in the Catalogue; but I must here take the opportunity of apologizing to those gentlemen whose

names do not so appear, for an omission which I am unable to remedy, no records having been kept with the specimens.

In cataloguing for the first time such an extensive collection many mistakes, which can only be rectified by repeated re-arrangement, must of necessity arise; and I shall feel greatly indebted to any one who may point out to me such errors.

As at present constituted, the Museum contains, in addition to those specimens which have been presented to, or purchased by, the Society, three collections, which have been lent by their respective owners, Mr. CARTWRIGHT, Mr. CATTLIN, and Mr. TOMES: these bear both in the Museum and in the Catalogue distinguishing marks.

Very recently, a most valuable donation has been sent to us through the kindness of Dr. BELISARIO, as one of the Trustees of the AUSTRALIAN MUSEUM, and the delay which has occurred in the issue of the Catalogue is in great part due to the arrival of these specimens.

I gladly avail myself of this opportunity to thankfully acknowledge how much I am indebted to the labours of my predecessors in the office of Curator, Mr. HULME and Mr. FLETCHER, and to my friend Mr. SCULLY, for his co-operation in the arduous task of arranging a chaotic assemblage of unnamed specimens.

CHARLES S. TOMES,

Curator of the Museum.

32, SOHO SQUARE, *March*, 1872.

CATALOGUE OF THE MUSEUM.



DEVELOPMENT.

WALL-CASE A.

The Specimens lent to the Society by Mr. CARTWRIGHT are distinguished by an asterisk placed before the numbers ; those lent by Mr. TOMES by a dagger placed after the number.

- *1. Upper maxilla of child æt. 7 ; deciduous teeth in place, and sacs of permanent teeth exposed.
- *2. Left half of lower maxilla of child.
- 3. Lower maxilla of calf about time of birth ; sacs of developing teeth dissected out.

Presented by A. Rogers, Esq.

- 13†. Maxillæ of male fœtus, æt. 7 months.
- 14†. Ditto, ditto, æt. 29 weeks.
- 15†. Ditto, ditto, æt. 30 weeks.
- 16†. Ditto, ditto, æt. 9 months.
- 17†. Ditto, ditto, ditto ; calcified cusps of the teeth separately shown.

- 18†. Maxillæ of child, æt. 2 months.
- 19†. Ditto of male foetus, æt. 3 months.
- 20†. Ditto, ditto, æt. 6 months.
- 21†. Ditto, ditto, æt. 6 months, slightly diseased.
- 22†. Ditto, ditto, æt. 7 months 19 days.
- 23†. Ditto, ditto, æt. 8 months.
- 24†. Ditto, ditto, æt. 9 months.
- 25†. Anterior portion of skull and lower jaw of
child of 12 months.
- 26†. Ditto, ditto, ditto.
- 27†. }
28†. } Skull and lower jaw of child about 12 months.
- 29†. Maxilla of child æt. 14 months.
- 30†. Ditto, æt. 18 months.
- 31†. Ditto, æt. 21 months.
- 32†. Ditto, æt. 2 years.
- 33†. Ditto, æt. 2 years ; teeth removed from sockets
to show extent of calcification.
- 34†. Ditto, æt. 2 years 6 months.
- 34 i†. Ditto, æt. 2 years 6 months.
- 35†. Ditto, æt. 3 years.
- 36†. Ditto, ditto.
- 36 i†. Ditto, æt. 4 years 6 months ; deciduous den-
tition complete.

- 36ii†. Maxillæ of child, æt. 4 years 6 months; deciduous dentition complete.
- 37†. Ditto, æt. 5 years.
- 38†.
- 39†. Ditto, æt. 5 years.
- 40†.
- 41†. Ditto, æt. 5 years.
- 42†. Ditto, æt. 6 years 5 months.
- 43†. Ditto (age not accurately known; probably from 5 to 6 years).
- 44†. Ditto, ditto.
- 45†. Ditto, æt. 7 years 6 months; alveolar abscess
over $\underline{\text{m}_2}$.
- 45 i†. Ditto, æt. 7 years 3 months.
- 46†. Ditto, æt. 8 years.
- 47†. Ditto, æt. 8 years.
- 48†. Ditto, æt. probably 7 or 8 years.
- 49†. Ditto, æt. 8 years 2 months (female).
- 50†. Ditto, æt. 8 years 2 months.
- 51†. Ditto. æt. 8 years 2 months.
- 52†. Ditto, æt. 8 years 2 months.
- 53†.
- 54†. Ditto, æt. 9 years 1 month.
- 55†. Ditto, æt. 13 years 7 months.

- 56†. Maxillæ, æt. 14 years.
- 57†. Ditto, æt. 14 years.
- 58†. Ditto, æt. 15 years.
- 59†. Ditto, æt. 15 years 9 months ; rachitis, alveolar abscess.
- 60†. Ditto, æt. 16 years.
- 61†. Upper maxilla, æt. 17 years.
- 62†.
- 63†. Maxillæ, æt. 17 years.
- 64†. Ditto, æt. 17 years.
- 65†. Ditto, æt. 17 years.
- 66†. Ditto, æt. 19 years.
- 67†. Ditto, æt. 20 years.
- 68†. Ditto, æt. 20 years.
- 69†. Ditto, æt. 21 years.
- 70†. Ditto, æt. 26 years.
- 71†. Ditto, æt. 26 years.
- 72†. Ditto, æt. 27 years.
- 73†. Ditto, æt. 28 years.
- 74†. Ditto, æt. 29 years.
- 75†. Ditto, æt. 30 years.
- 76†. Upper maxilla, æt. 36 years.
- 77†. Maxillæ, æt. 30 years.
- 78†. Ditto, æt. 31 years.

- 79†. Maxilla, æt. 30 years ; large alvcolar abscess.
 80†. Ditto, æt. 33 years.
 81†. Upper maxilla, æt. 35 years ; teeth much worn.
 82†. Lower ditto, æt. 35 years ; edentulous.
 83†. Ditto, ditto, æt. 35 years ; edentulous.
 84†. Ditto, ditto, æt. 35 years.
 85†. Skull and lower maxilla, æt. 98 years.

Lower maxillæ, from which the bone has been
 filed away so as to expose the whole course
 of the inferior dental canal.

87. Lower maxilla, æt. about 12 years.
 88. Ditto, ditto, adult.
 89. Ditto, ditto, aged.
 90. Ditto, ditto, aged.

Disarticulated skeleton of 6-months foetus.

Ditto, ditto, 8 months.

“ Histoire de la Dentition : ” a series of 24 preparations illustrating the dentition at ages ranging from the sixth month of foetal life to the period of adult life.

Purchased.

Skull of 6 months foetus.

Ditto of 8 months foetus.

Ditto of 9 months foetus.

Calcified cusps of teeth from 9 months foetus.

Upper and lower maxillæ, æt. 8 months.

Ditto, ditto, æt. 12 months.

Ditto, ditto, æt. 14 months.

Ditto, ditto, æt. 18 months.

Ditto, ditto, æt. 2 years.

Ditto, ditto, æt. 6 to 7 years.

Ditto, ditto, æt. 8 years.

Ditto, ditto, æt. 9 years.

Ditto, ditto, æt. 12 years.

Ditto, ditto, æt. 14 years.

Ditto, ditto, æt. 16 years.

Set of deciduous teeth.

Ditto of permanent teeth.

Three lower maxillæ, selected to show its modification at various ages.

Injected and dried preparation of arteries and veins of face.

Ditto, ditto, dental arteries.

Ditto, ditto, nerves of face.

Ditto, ditto, vessels and nerves.

ANATOMICAL SERIES.*

WALL-CASE F.

1. Disarticulated adult skull.
2. Skull of child æt. about 5 years. *Purchased.*
3. Maxilla of child.
4. Ditto of adult, with the roots of the teeth exposed.
5. Adult skull.
6. Lower maxilla of adult; roots of the teeth fully exposed.

ANTRUM.

7. Section across the antrum from a child æt. 5 years.

Deposited by W. A. Cattlin, Esq.

* Many of the specimens arranged in this series are placed under separate glass shades and arranged in various parts of the Museum other than the wall-cases.

8. Section across the antrum from a child æt. 7 years.

Deposited by W. A. Cattlin, Esq.

9. Ditto, ditto, æt. 13 years.

Ditto.

10. Ditto, ditto, æt. (?) years.

Ditto.

11. Ditto, ditto, adult.

Ditto.

12. Ditto, ditto, with roots of teeth exposed, those of \underline{m}_2 perforating the antrum.

Ditto.

13. Ditto, ditto, adult.

Ditto.

14. Ditto, ditto, adult.

Ditto.

15. Ditto, ditto, adult.

Ditto.

16. Ditto, ditto, adult.

Ditto.

17. A series of seven wax casts of the cavity of the antrum at ages varying from two years to adult life.

Presented by W. A. Cattlin, Esq.

18. Wax casts from adult antra.

Presented by W. A. Cattlin, Esq.

19. Dried preparation, showing the distribution of the fifth nerve.

20. Model of jaws, showing the teeth much worn down.

Presented by M. Major, Esq.

21. Lower jaw, with teeth excessively worn.
22. Skull, æt. about 8 years; anterior plate of the alveolus removed, showing the permanent teeth in their crypts.
- *23. Dried preparation, illustrating the distribution of the fifth nerve.
24. Skull of child, showing the course of the dental arteries.
25. Dried preparation, showing the course and distribution of the internal carotid artery and its branches.
26. Skull of child, æt. about 5 years.
- Deposited by R. Hepburn, Esq.*
27. Maxilla of child, æt. about 5 years.
28. Wax model of human head and neck, showing the deep structures.
- 29.
30. Injected and dried preparation, illustrating the course of the dental arteries and veins.
31. Ditto, ditto.

32. Disarticulated adult skull.

Purchased.

33.

34. Dried preparation, showing the course and branches of the internal carotid artery.

Presented by J. Parkinson, Esq.

35. Dried preparation, showing the distribution of the fifth nerve.

Presented by J. Parkinson, Esq.

36. Dried preparation, showing the arteries and veins of the face and jaws.

Presented by S. Ghrimes, Esq.

ABNORMALITIES IN THE POSITION OF TEETH.

WALL-CASE B.

MALPOSITION OF DENS SAPIENTIÆ.

- *1. Four superior maxillæ.
- *2. Five inferior maxillæ.
- 3. Superior maxilla, with supernumerary dens sapientiaë on the right side.
 - 3 i. Model of superior maxilla, with supernumerary dens sapientiaë on the left side.
- 4. Inferior maxilla, in which the dens sapientiaë of the right side occupies the ascending ramus of the jaw, its crown appearing in the sigmoid notch; on the left side the dens sapientiaë occupies a similar position, though not placed so high in the ramus.

Presented by Edwin Saunders, Esq.

- 4 i. Lower maxilla, in which the dens sapientiaë of the right side lies horizontally, with its crown

pressing against the root of the second molar. *Presented by C. J. Fox, Esq.*

- *5. Wax model of side of face of a patient in whom the right lower dens sapientiæ had made its way outwards through the skin, and appeared on the face at a point corresponding to the angle of the jaw, the neck of the tooth being firmly embraced by cicatricial tissue.

(For history of this case *vide* "Odont. Trans.," new series, vol. iii. p. 135.)

MALPOSITION OF MOLARS AND BICUSPIDS.

6. Model of mouth, in which the second bicuspid and first molar are transposed.

Presented by — Harrington, Esq.

7. Second deciduous molar, retained after the eruption of both dentes sapientiæ : its fangs show no sign of absorption.

8. Model, showing transposition of canine and first bicuspid. Cf. Nos. 14, 18, and 20.

- 8 i. Ditto, ditto, ditto.

Presented by T. L. Payne, Esq.

- 9. (Model.) Malposition of second bicuspid.
 - 11. (Model.) Ditto, ditto (lower).
 - 9 i. (Model.) Molar tooth, erupted in the middle of the palate. *Presented by T. Fletcher, Esq.*
-

MALPOSITIONS OF THE CANINE TEETH.

- 10. (Model.) Prominence of canines (treated by extraction of first bicuspid).
- 12. (Model.) Imperfect eruption of canine late in life.
- *13. Maxillæ, illustrating various malpositions of the canine teeth.
- 13 i. Superior maxilla, in which the canine lies obliquely behind the incisors.
- 14. Two models, showing—(1) transposition of canine and lateral incisor ; (2) of canine and bicuspid. *Presented by E. Parkinson, Esq.*
- 17. (Models.) Transposition of canine tooth.
- 18. (Model.) Canine teeth in the interspace between the second bicuspid and second molar.

Presented by T. G. Palmer, Esq., Cheltenham.

19. (Model.)
20. (Model.) Transposition of canine and first
bicuspid symmetrically on the two sides
of the mouth.

Presented by E. Parkinson, Esq.

21. (Model.) Malposition of canine tooth.
22. (Model.) Malposition of canines.
23. (Model.) Ditto, ditto.
24. (Model.) Ditto, ditto.
24 i. (Model.) Superior maxilla, the canine being
placed nearly horizontally.

Presented by J. Robinson, Esq.

25. (Model.) Superior maxilla, canines malformed
and not erupted (adult).
26. (Model.) Malposition of the canines.
26 i. Adult maxilla; upper canines lying nearly
horizontally in the bone; upper temporary
canines retained.

- 26 ii. Maxilla with the canines misplaced in conse-
quence of the retention of the temporary
canines. *Presented by E. Holborow King, Esq.*

MALPOSITION OF THE INCISOR TEETH.

27. (Model.) Malposition of the centrals.
27 i. (Model.) Ditto, ditto.
28. (Model.) Ditto, ditto.
Presented by Edwin Saunders, Esq.
29. (Model.) Ditto, ditto.
30. (Model.) Ditto, ditto.
31. (Model.) Malposition of central incisor.
32. (Model.)
32 i. (Model.)
33. (Model.) Ditto, ditto, with regulation-plate.
34. (Model.) Ditto, ditto.
35. (Model.) Crowding of lower incisors.
35 i. (Model.) Ditto, ditto.
36. (Model.) Malposition of lower incisors.
37. (Model.) Ditto, ditto.
38.
39. (Model.) Malposition of lateral incisors and
canines.
39 i. (Model.) Malposition of central incisors.
40. (Model.) Ditto, ditto.
41. (Model.) Ditto, ditto.

- 42. (Model.) Malposition of central incisors.
- 43. (Model.) Ditto, ditto.
- 45. (Model.) Ditto, ditto.

Presented by T. C. Vidler, Esq.

- 46. (Model.) Malposition of incisors and canines.
- 47. (Model.) Ditto, ditto.
- 48. (Model.) Ditto, ditto.
- 49. (Model.) Mouth of a girl, æt. 17 years, showing great irregularity, caused by retention of temporary teeth.

Presented by — Newman, Esq., Liverpool.

- 50. (Model.) Irregularities of incisors.
- 51. (Model.) Ditto, ditto.
- 52. (Model.) Ditto, ditto.
- 53. (Model.) Ditto, ditto.
- 54. (Model.) Ditto, ditto.
- 55. (Model.) · Ditto, ditto.
- 56. (Model.) Ditto, ditto.
- 57. (Model.) Ditto, ditto.
- 58. (Model.) Irregularity of lower incisors and canines, induced by the eruption of the dentes sapientiæ.
- 59. (Model.) Irregularity of incisors.

Presented by E. Saunders, Esq.

- 60. (Model.) Irregularity of incisors.
- 61. (Model.) Ditto, ditto.
- 62. (Model.) Ditto, ditto.
- 63. (Model.) Ditto, ditto.
- 64. (Model.) Ditto, ditto.
- 65. (Model.) Ditto, ditto.
- 66. (Model.) Lower maxilla, showing wide separation between central incisors.

Presented by H. L. Spencer, Esq.

- 67. (Model.) Irregularity caused by retention of temporary teeth.
 - 68. (Model.) Ditto, ditto.
 - 69. (Model.) Upper incisors, deviating from the median line of the body.
 - 69 i. Lower jaw of sheep; malposition of incisors.
 - *70. Ten superior maxillæ, illustrating irregularity of incisor teeth.
 - 71.
-

VARIOUS ABNORMALITIES.

- 74. (Model.) Unusually large superior maxilla.
- 75. (Model.) Lower maxilla of unusual depth.

76. (Model.) Contracted V-shaped superior maxilla.
Presented by W. A. Harrison, Esq.
77. (Model.) Ditto, ditto.
Presented by A. Hill, Esq.
78. (Model.) Ditto, ditto.
- 78 i. (Model.) Ditto, ditto.
Presented by — Ramsay, Esq.
79. (Model.) Ditto, ditto.
80. (Model.) Ditto, ditto, with regulation-plate.
81. (Model.) Disproportion between upper and
lower jaw.
- 81 i. (Model.) Ditto, ditto.
-

ERUPTION OF TEETH AT ABNORMAL PERIODS.

82. (Model.) Temporary canine retained at the
age of 54.
- 82 i. (Model.) Retention of second temporary mo-
lar: no trace of second bicuspid (lower
maxilla).
83. Models of retarded dentition.
84. Ditto, ditto. *Presented by W. Parks, Esq.*

85. Models of retarded dentition.

Presented by T. C. Vidler, Esq.

86. (Models.) Æt. 4 years 6 months.

87. Model of lower jaw, æt. 6 weeks; central incisors already erupted.

88. Ditto, ditto, æt. 14 years 9 months; deciduous teeth all remaining.

89. Model of upper jaw (same case); permanent incisors erupted.

90. Model of lower jaw.

91. (Models.) Upper and lower jaw, æt. 8 months; three teeth only having appeared.

92. (Models.) Æt. 27 years; four lower temporary incisors retained; on their being shed, no permanent teeth appeared.

Presented by R. Hepburn, Esq.

93. (Models.) Æt. 7 years and 8 years.

Presented by G. Owen, Esq.

94. (Model.) Absence of teeth.

Presented by Dr. Levison.

95. (Model.) Ditto.

Ditto.

96. (Model.) Æt. 12 years; no permanent teeth erupted except first permanent molars; most

of the anterior temporary teeth had been knocked out accidentally at the age of three years.

Presented by G. A. Ibbetson, Esq.

97. (Models.) Showing retarded development.

Presented by J. Mummery, Esq.

98. (Model.) Absence of permanent teeth.

99. (Model.) Absence of lower incisors.

100. (Model.) Deficiency of teeth in upper jaw.

Presented by W. K. Bridgman, Esq.

101. (Model.) Retarded dentition.

Presented by J. R. Mummery, Esq.

102. (Model.) Ditto, æt. 5 years 8 months.

Presented by T. C. Vidler, Esq.

103. (Model.) Retention of temporary molar: bicuspid erupted at age of 16 years.

104. (Model.) Æt. 78. Canine erupted at this age: no artificial teeth had been worn.

Presented by W. A. Cattlin, Esq.

105. (Model.) Æt. 49; canine in process of eruption, in consequence of the pressure of artificial teeth.

Ditto.

106. (Model.) Æt. 70; bicuspid in process of erup-

tion, consequent on pressure of artificial teeth.

Presented by W. A. Cattlin, Esq.

107. (Model.) Æt. 70 ; eruption of canine.

Presented by T. Bell, Esq.

108. (Model.) Æt. 75 ; ditto, ditto.

Ditto.

109. (Model.) Æt. 65 ; canine lying horizontally in an otherwise edentulous jaw.

Ditto.

110. Two models.

Ditto.

111. (Model.) Æt. 13 years ; temporary incisors retained.



120. Wax model ; cast of mouth and photograph taken from a case of double harelip. (Cf. "Odont. Trans.," November, 1869.)

Presented by H. J. Barnett, Esq.

121. Photographs and diagrams of cases of perforated palate.

Presented by Oakley Coles, Esq.

ABNORMALITIES IN DEVELOPMENT.

WALL-CASE C.

DILACERATION.

120†. Incisor.

121†. Ditto.

122. Ditto.

123. Ditto.

Presented by — Wheeler, Esq.

124†. Ditto.

125. Ditto.

126. Ditto (with models).

Presented by W. K. Bridgman, Esq.



GEMINATED TEETH.

127†. Temporary central and lateral incisor joined
with the canine.

128. Geminated temporary incisors.

Presented by D. Hepburn, Esq.

129. Ditto, ditto.

Presented by W. Sewill, Esq.

130. Geminated temporary incisors.

Presented by W. Sewill, Esq.

131. Geminated permanent incisors.

132†. Ditto, ditto.

133†. Ditto, ditto.

133 i. Ditto, ditto.

134. Temporary incisors.

Presented by A. Ransom, Esq.

135. Ditto, ditto.

Presented by J. H. Kyan, Esq.

136. Ditto, ditto.

Presented by Charters White, Esq.

135 i. Ditto, ditto.

136 i. Ditto, ditto. *Presented by — King, Esq.*

ABNORMALITIES IN SIZE AND FORM.

137. Portion of upper jaw, containing incisors and canines of an unusually large size.

Presented by Robert Hepburn, Esq.

138. Large central upper incisors.

139†. Ditto, ditto.

140. Model of large upper incisors.

141. Model of No. 137.

146. Very minute tooth.

147. Ditto.

Presented by Arnold Rogers, Esq.

148†. Incisors of peculiar form.

149†. Ditto, ditto.

150†. Ditto, ditto.

151. Two supernumerary teeth of unusual form, and
model.

152. One tooth and model.

153. Tooth of unusual form (with model).

154. Ditto.

155. Incisor of peculiar form.

156.

Presented by A. Coleman, Esq.

157†. Imperfectly-developed teeth (enamel defective).

158†. Ditto, ditto.

159. Ditto, ditto.

160. Imperfect conical incisors (model).

161. Incisor with two fangs.

164. Teeth of very peculiar form (incisor?).

165†. Ditto, ditto.

166. Ditto, ditto.

169†. Canines of great size.

170. Ditto, ditto. *Presented by G. F. Fox, Esq.*

171. Canines of great size.

172†. Canines with two fangs.

173 to 185. Canine teeth peculiar in form or size.

200†. Bicuspid.

201. Ditto.

203† to 212. Lower bicuspid with two fangs.

213. Upper bicuspid with three fangs.

Presented by J. H. Kyan, Esq.

214†. Ditto, ditto.

215. Bicuspid with three fangs.

Presented by — Harrington, Esq.

216†. Ditto, ditto.

217†. Bicuspid with crooked fang.

218. Two abnormally-shaped teeth, which took the place of the first bicuspid in the lower jaw.

Presented by F. Petty, Esq.

231 to 240. Upper molars ; fangs of unusual form.

241†. Upper temporary molars with four fangs.

242†. Upper molar.

243† to 246. Lower molars, three fangs.

247†. (Temporary.)

248. Three-fanged lower molars.

Presented by H. P. Parkinson, Esq.

249. Ditto, ditto. *Presented by J. L. Statham, Esq.*

250. Three-fanged lower molars.

Presented by F. Sayles, Esq.

251.

254† to 267. Dentes sapientiæ of unusual form.

A set of photographs of abnormal teeth.

Presented by W. A. Cattlin, Esq.

TEETH IRREGULARLY UNITED.

280. United molars.

281. Ditto.

282†. Ditto.

283†. Temporary lower molar, embracing in its fangs
the bicuspid.

283i†. Ditto, ditto.

284†. Molar, to which is united a small imperfectly-
formed tooth.

285. Ditto, ditto.

286. Ditto, ditto.

287†. Ditto, ditto.

288. Second molar and dens sapientiæ united.

Presented by W. J. Newman, Esq.

289. Second molar and dens sapientiæ united (third molar being inverted).

290. Ditto, ditto.

Presented by Bosworth Harcourt, Esq.

291†. Ditto, ditto.

292†. Ditto, ditto.

293†. Ditto, ditto.

294†. Ditto, ditto.

295†.

296†. Second upper molar, the fangs of which embrace and are united to the third molar, which lies horizontally.

297. Root of second molar, which is embraced by, and united to, the fangs of the third molar.

Presented by G. F. Fox, Esq.

300†. Teeth, the crowns of which are imperfectly developed; enamel honeycombed.

301. Ditto, ditto.

302. Ditto, ditto.

CALCIFICATION OF THE PULP.

326† to 342. Calcification of the pulp.

343†. Tooth, the pulp of which has calcified subsequently to the tooth having been broken off through the pulp-cavity.

343i†. Ditto, ditto.

DENTAL EXOSTOSIS.

344†. Dental exostosis.

345†. Ditto.

346†. Ditto.

347. Ditto (exostosis taking the form of a spine, projecting at right angles to the fang).

Presented by J. Fletcher, Esq.

348. Exostosis forming nodular processes standing away from the fangs.

Presented by E. Holborow King, Esq.

348† to 368. Dental exostosis.

369. Bicuspid, the fang of which is united by cementum to that of the next tooth.

Presented by E. Parkinson, Esq.

370. Fangs of molar united at their apices by cementum. *Presented by J. Tomes, Esq.*
371. Fangs of molar united at their apices by cementum.
372. Numerous examples of exostosis.
373. Tooth, on the fang of which is an enamel-coated nodule.
374. Ditto, ditto.
375. Ditto, ditto.

ODONTOMES.

376. Wax model of an odontome which is in the Museum of the Royal College of Surgeons (No. 1022).
377. Enormous odontome, springing from an upper molar tooth ("Odontome Radiculaire Dentinaire" of Broca). "Transactions Odont. Society," April, 1863, and January, 1872.
Presented by — Hare, Esq.
- 378†. Enormous odontome, springing from a molar tooth of a horse ("Odontome Coronaire Cémentaire" of Broca). "Trans. Odont. Society," February, 1872.

379†. Incisor, to the front of which is attached an irregular mass as large as itself.

380. Bicuspid, from which is a calcified outgrowth rising up to the level of the crown of the tooth.

Presented by — Margetson, Esq.

ABSORPTION.

386†. Pivoted tooth, fang of which is partly removed by absorption.

386 i. Ditto, ditto (after replantation).

Presented by Edwin Sercombe, Esq.

387 to 405. Teeth showing absorption of fang.

405†. Tooth, the fang of which has been absorbed in consequence of the irritation caused by a bristle having passed through the pulp canal.

Presented by J. Tomes, Esq.

406†. Absorption at neck of second molar caused by pressure of the third molar.

407. Absorption of fang.

Presented by Dr. Sargent.

408. Ditto, caused by pressure of the third molar.

408†. Ditto, ditto.

EROSION OF THE NECKS OF TEETH.

- 409†. Teeth the necks of which are eroded.
410. Ditto, ditto.
Presented by J. Fletcher, Esq.
411. Ditto, ditto.
Ditto.
412†. Ditto, ditto.
413†. Ditto, ditto.
414†. Ditto, ditto.
415†. Ditto, ditto.
416.
417†. Ditto, ditto.
418. Tray containing examples of eroded teeth.
419. Erosion (?) on surface of bone (artificial teeth).
-

DENTIGEROUS CYSTS.

430. Wax model of dentigerous cyst from lower jaw; the canine lies horizontally on the floor of the cyst; the lateral incisor stands somewhat obliquely in the alveolus.— (Cf. “Brit. Journ. Dent. Science,” 1862, and

Heath's "Injuries and Diseases of the Jaws," p. 164.)

Presented by — Kirby, Esq.

430. }
431. } Duplicates of the above.

433. Bony cyst as large as a swan's egg from front of the lower jaw of a sheep.

434. Ditto.

435. Ditto, connected with the root of a misplaced incisor from a cow.

437. Contents of dentigerous cyst, consisting of twenty-three imperfectly-developed teeth.

Presented by Carl Tellander, Esq.

438. }
439. } Models of mouth from the same case at various
440. } periods after the operation.
441. }

Ditto.

442. Contents of dentigerous cyst from the front of mouth of a Hindoo æt. 25 years, described and figured in "Odontological Transactions," June, 1863.

Presented by J. Tomes, Esq.

443. Imperfectly-developed teeth from an ovarian cyst.

Presented by A. Coleman, Esq.

444. Dentigerous cyst from lower jaw of lamb one year old.

Presented by F. Bell Longhurst, Esq.

SUPERNUMERARY TEETH.

460. Abnormally-formed supernumerary teeth occupying the position of the incisors ; model and teeth.

461. Model after the extraction of the supernumeraries.

462. Ditto, ditto.

463. Supernumerary tooth near the incisors.

Presented by D. Hepburn, Esq.

464. Ditto, ditto.

Ditto.

465. Ditto, ditto.

Presented by W. A. Harrison, Esq.

466. Ditto, ditto.

Presented by E. Sercombe, Esq.

467. Ditto, ditto.

Presented by L. Vanderpant, Esq.

468. Ditto, ditto.

Ditto.

469. Supernumerary tooth near the incisors.

Presented by L. Vanderpant, Esq.

470. Same as No. 469 after extraction of supernumerary.

471. Supernumerary teeth in the front of the mouth.

Presented by T. Vidler, Esq.

472. Ditto, ditto.

Ditto.

473. Ditto, ditto.

Ditto.

474. Ditto, ditto.

Ditto.

475. Ditto, ditto.

Ditto.

476. Upper maxilla with supernumerary incisor.

476 i. Ditto, ditto.

477. Model with teeth.

478. Ditto, ditto.

Presented by John Finnie, Esq.

479. Ditto, ditto.

Presented by — Moore, Esq.

479 i. Same as No. 479 two years later.

480. Ditto, ditto.

481. Ditto, ditto.

482. Ditto, ditto.

483. Model, with five supernumerary teeth.

484. Ditto, with supernumerary teeth.

Presented by — Palmer, Esq.

485. Same as No. 488, after extraction of supernumeraries.
Presented by — Crampton, Esq.
486. Model of supernumerary teeth.
487. Ditto, ditto.
488. Ditto, ditto.
Ditto.
489.
491. Ditto, ditto.
492. Ditto with five temporary incisors.
Presented by Robert Hepburn, Esq.
493. Ditto, ditto.
Presented by — Palmer, Esq.
495. Ditto, ditto.
495. Ditto, ditto.
496. Ditto, ditto.
Presented by C. L. Bate, Esq.
497. Ditto of two supernumerary teeth.
Presented by F. A. Sayles, Esq.
498. Two supernumerary malformed teeth, situated behind the incisors, with model.
Presented by G. Gregson, Esq.
499. Model from child æt. 7, with five permanent lower incisors.
Presented by W. F. Forsyth, Esq.

500. Supernumerary between canine and bicuspid (?).
501. Supernumerary.
502. Three supernumeraries, in place of canine.
503. } Portions of jaw containing supernumerary teeth.
504. }
- 504 i. Lower jaw with five incisors.
505. Supernumerary between bicuspid.
506. Ditto, ditto. *Presented by W. A. Cattlin, Esq.*
507. Temporary molar retained between second bicuspid and first molar. Supernumerary (?).
508. Supernumerary teeth.
Presented by Dr. Orphoot.
509. Ditto. *Presented by W. A. Harrison, Esq.*
510. Ditto. *Presented by H. Normansell, Esq.*
511. Model and tooth ; supernumerary, in position of molar.
Presented by W. A. Harrison, Esq.
512. Ditto, ditto, supernumerary.
513. Ditto, ditto.
514. Ditto, ditto.
515. Tray containing supernumerary teeth.
Presented by E. Holborow King, Esq.

PATHOLOGICAL SERIES.

WALL-CASE D.

SALIVARY CALCULUS.

1. Specimen of salivary calculus.

Presented by M. Dubois.

2. Teeth, the fangs of which have been incrustated with tartar.

3. Ditto, ditto.

4. Salivary calculus, ditto.

Presented by E. P. Parkinson, Esq.

5. Teeth much incrustated with tartar.

Presented by P. Lord Pavitt, Esq.

6. Large mass of tartar.

7. Ditto, ditto.

8. Enormous mass of tartar accumulated around a bone-piece which carried four lower incisors : the canine and two bicusps of the right side are included in the mass.

Presented by J. Harley, Esq.

9. A tray containing numerous specimens of salivary calculus.
10. Salivary calculus containing two lower incisors.
Presented by J. Harley, Esq.
11. Small bone-piece much incrustated with tartar.
-

TEETH FRACTURED BY DIRECT VIOLENCE.

15. A molar broken without any injury being inflicted on the cheek.
Presented by C. Vasey, Esq.
- 16†. Teeth fractured across pulp-cavity.
-

EFFECT OF INJURY INFLICTED ON THE PULP, &c.

- 17†. Segment of elephant's tusk, in which a development of secondary dentine around a bullet has nearly obliterated the pulp-cavity.
- 18†. Ditto, ditto.
- 19†. Tusk of a hippopotamus, which has grown into

a complete circle, the point of the tooth having entered the persistent pulp-cavity. (Cf. Tomes's "Dental Surgery," p. 25.)

- 19 i. Tooth of hippopotamus, which has grown into a circle.

Presented by Edwin Saunders, Esq.

20. Teeth of rats and rabbit, which have grown round into circles, more or less complete, in consequence of the loss of their opposing teeth.
-

INJURIES AND DISEASES OF THE JAWS.

- 20 i. Upper molar and fragment of necrosed jaw.

Presented by F. Statham, Esq.

21. Ditto, ditto.

Presented by — Murphy, Esq.

22. Fragment of necrosed jaw, including developing permanent incisor.

23. Several fragments of necrosed jaw, including crypts of permanent teeth.

24. Fragments of necrosed bone from jaw of child.

Presented by — Sewill, Esq.

25. Model, showing result of necrosis of lower jaw.

Presented by C. J. Fox, Esq.

- 28†. Lower jaw affected with phosphorus necrosis.

38. Fragment of alveolar border of lower jaw, which was broken and brought away by the extraction of a tooth : prolonged suppuration had preceded the operation.

Presented by — Murphy, Esq.

- 39†. Sequestrum involving the whole of the right ramus of the jaw.

- 39 i. Sequestrum containing canine, bicuspid, and first molar, removed from a healthy adult : no cause could be traced.

Presented by C. S. Tomes, Esq.

FRACTURES, &c.

40. (Model.) Fracture (gun-shot wound) of lower jaw ; portion of jaw between second bicuspid of right side and canine of left side

lost : fracture ununited. — (Cf. “ Dental Review,” 1868, and Heath’s “ Injuries and Diseases of the Jaws,” p. 31.)

Presented by J. Cox Smith, Esq.

- 40 i. Same case, the fragments in a different position, showing the great mobility which existed.
- 41. Same case, ditto.
- 42. Model of fractured lower jaw ; considerable displacement.
- 43. Ditto, ditto.
- 44.
- 45. Model of lower jaw : the incisors and canines of one side have been lost as a result of fracture, and the bicuspid and canine of the two sides have come together.
- 46. Model of upper jaw ; extensive loss of substance.
- 46 i. Model of fracture of upper jaw ; unusual amount of displacement.
- 47. Model of upper jaw ; extensive loss of substance.
- 48. Perforation of palate, and loss of portions of alveolar border (syphilitic ?).

49. Loss of substance, and deformity of superior maxilla.
51. Loss of substance from superior alveolar border.
(Cf. "Odont. Trans.," Feb., 1868.)
52. Ditto, ditto.
53. Model showing great lateral displacement of lower jaw : history unknown.
54. Ditto of tumour in middle of palate.
55. Epulis (model).
Presented by W. A. Cattlin, Esq.
56. Ditto, ditto.
Presented by — Vasey, Esq.
57. Model of jaw after removal of epulis.
58. (Model.) Epulis.
Presented by W. A. Cattlin, Esq.
59. (Model.) Tumour on alveolar margin in edentulous jaw.
60. Model of superior maxilla, with tumour on alveolar margin.
-

HYPERTROPHY OF ALVEOLAR PORTION OF JAW.

61. (Model.) Hypertrophy of gum (and alveolus?),
æet. 14 years.

Presented by A. Canton, Esq.

62. { Models showing great hypertrophy of alveolar
63. { portions of upper and lower jaws. (*Vide*
“Odont. Trans.,” January, 1866.)

Presented by J. Tomes, Esq.

64. Ditto, ditto. (For account of this case, see
Holmes’s “Dictionary of Surgery,” vol. iv.
page 342.) *Presented by — Vasey, Esq.*

- 65†. Upper maxillæ affected with Hyperostosis: the
right side is far more enlarged than the
left.

66. Model of upper jaw of boy aged 14: the left
side is affected with Hyperostosis, and the
temporary incisors and canines are retained
on that side. (Cf. Heath’s “Injuries and
Diseases of Jaws,” 2nd ed.)

Presented by C. S. Tomes, Esq.

67. Skull of monkey affected with Hyperostosis: all
the bones of the cranium are more or less
involved.

SYPHILIS, &c.

- *68. Skull of patient, showing extensive disease of upper maxilla and bones of face: there was a clear history of inherited syphilis.

Deposited by S. Cartwright, Esq.

69. Skull of Australian native who died from syphilitic disease of cranial bones.

Per Dr. Belisario.

Wax model of a case of rodent cancer, involving soft tissues, and upper and lower maxillæ of left side.

ARRESTED DEVELOPMENT OF THE JAW.

72. Skull of calf, with disproportion between upper and lower jaws.
73. Lower maxilla (of an aged person?), in which the development of the left half of the jaw has ceased at a very early age, so that the stunted horizontal ramus is no longer

than that of a nine-months foetus: the coronoid process and condyle are represented by a simple spine. (*See* "Odont. Soc. Trans.," March, 1872.)

Teeth which are known to have been the cause of neuralgia. (Cf. "Trans. Odont. Society," February, 1863.)

Presented by W. A. Cattlin, Esq.

75. Ditto, ditto.

Ditto.

76. Ditto, ditto.

Ditto.

77. Ditto, ditto.

Ditto.

78. Exostosed stumps removed.

Presented by F. Statham, Esq.

79. Teeth removed in consequence of spasmodic closure of jaw.

A series of preparations illustrating papers on dental caries. (Cf. "Odont. Soc. Trans.")

Presented by W. K. Bridgman, Esq.

ANCIENT INSTRUMENTS, &c.

WALL-CASE B.

1. Form of key instrument (about A.D. 1600).
Presented by J. F. Austin, Esq.
2. Ditto, ditto (about A.D. 1600).
Presented by J. A. Sayles, Esq.
3. Ditto, ditto (A.D. 1600).
Presented by J. F. Austin, Esq.
4. Antique key.
Presented by J. A. Sayles, Esq.
5. Two key instruments.
Ditto.
6. Forceps (about 1700).
7. Ditto, ditto.
8. Instrument resembling elevator (about 1760).
Presented by T. L. Statham, Esq.
9. Forceps.
Presented by — Dixon, Esq.
10. Key instrument (very curious form).
11. Ditto, ditto.
Presented by J. H. Parsons, Esq.
12. Modified key instrument.

13. Two key instruments.
Presented by A. B. Jones, Esq.
14. Forceps (very rude).
15. Forceps.
16. Spring forceps.
Presented by — Pratt, Esq.
17. Ditto, ditto.
18. Forceps.
19. Forceps of peculiar lever construction.
Presented by J. T. Edwards, Esq.
20. Ditto, ditto.
Presented by B. West, Esq.
21. Forceps on lever principle.
22. Ditto, ditto, complicated.
Presented by — Hinton, Esq.
23. Modern form of key.
24. Ditto, ditto.
25. Ditto, ditto.
26. Ditto, ditto.
27. Ditto, ditto.
28. Forceps.
29. Key.
Presented by J. T. Edwards, Esq.
30. Key of complex construction.
31. Forceps.
Presented by Dr. Carpenter.

32. Forceps.
33. Ditto.
34. Ditto.
35. Ditto.
36. Ditto.
37. Ditto.
38. Ditto.
39. Ditto.
40. Instrument designed to extract teeth vertically
without lateral motion.
41. Taper screw.
42. Hinged tray (lower).
43. Ditto (upper).
44. Angle drill.
45. Ditto.
46. Drilling instrument.
Presented by H. L. Jacob, Esq.
47. Clamp for holding mineral tooth while grinding
it down.
48. Instrument for restraining hæmorrhage by pres-
sure.
Presented by Dr. Reid.
49. Ditto, ditto, applied to upper jaw.
Ditto.

MECHANICAL DENTISTRY AND DENTAL MATERIALS.

WALL-CASE E.

1. Early mineral teeth (continuous gum-work).
De Chemant.
Presented by R. Hepburn, Esq.
2. Specimens of early mineral teeth.
Presented by M. A. Dubois, Esq.
3. Two sets of mineral teeth. De Chemant?
Presented by W. Tuck, Esq.
4. Ditto, ditto. Delabarre.
5. Early bone-work (teeth with enamel).
- *5. Very rude bone-piece attached to an under bar
by spiral springs.
6. Ditto, ditto.
7. Early bone-work.
Presented by — Wallis, Esq.
8. Ditto, with enamel on teeth.
9. Ditto, teeth mounted separately.

10. Early bone-work, teeth mounted separately.

Presented by G. Owen, Esq.

11. Ditto, with enamel teeth.

Presented by — Hockley, Esq.

12. Continuous gum-work, with natural incisors and
canines mounted in it.

13.

14. Rude gold piece with carved bone teeth.

15. Specimens of early French mineral teeth.

Ditto.

16. Early bone-work ; unusual position of swivels.

17. Bone-work with natural teeth.

18. Ditto, ditto.

19. Rude bone-work made by the Chevalier Ruspini.

Presented by F. A. Sayles, Esq.

20.

21. Several specimens of old bone-work.

22. Rude gold piece.

Presented by J. L. Statham, Esq.

23. Specimen of later bone-work.

24. Rude gold plate.

Ditto.

25.

26.

27.

28. Silver plate.

Presented by J. L. Statham, Esq.

29. Rude gold piece (natural teeth), work of Indian natives.

Presented by — Lloyd, Esq.

30. Very rude teeth mounted on wood.

Presented by — Moseley, Esq.

31. Two rude gold plates.

31 i. The whole of the teeth of the lower jaw fastened together by gold wire; stated to have belonged to the Queen of Oude.

31 ii. Two smaller similar aggregations of teeth (Cf. "Odont. Trans.," June, 1868), Indian native work.

Presented by — Lloyd, Esq.

32. Old discoloured bone set.

Presented by H. Greenfield, Esq.

33.

34.

35.

36. Early vulcanite-work.

37. Tray containing specimens of vulcanite-work.

Presented by W. Bennett, Esq.

38.

39. Three natural teeth mounted on coral.

40. Specimen of vulcanite-work.
- 41.
42. Natural teeth mounted on gold and platina,
about fifty years old (made by Parmley).
Presented by T. G. Palmer, Esq.
43. Specimens of modern continuous gum-work.
44. Ditto, ditto.
45. Specimen of cheoplastic-work.
Presented by Dr. Blandy.
- 45 i. Ditto, ditto.
Ditto.
46. Ditto, ditto.
Ditto.
47. Set of teeth mounted on a tortoiseshell plate.
Presented by J. W. Fletcher, Esq.
50. Model and plate illustrating methods of regu-
lating teeth.
Presented by A. Preterre, Esq.
51. Ditto, ditto, to prevent complete closure of
teeth.
Presented by W. A. Cattlin, Esq.
(Cf. "Trans.," Feb., 1863.)
52. Three models, illustrating manner of casting
gold plates.
Presented by J. L. Statham, Esq.
53. Ditto with cast plates.

58. Several specimens of regulation-plates.
59. Two articulating frames.
60. Sectional model (cleft palate).

Presented by Dr. Rottenstein.

DENTAL MATERIALS.

1. Card containing samples of gutta-percha used for dental purposes.

Presented by H. L. Jacob, Esq.

2. Specimen of Ash's adhesive gold foil.

Presented by L. Vanderpant, Esq.

3. Lower jaw with contour fillings (Ash's foil).

Presented by — Ramsay, Esq.

- 4.

The following specimens being individually labelled, they have not had numbers affixed to them:—

Bottles containing silica, prepared from fluoride of silicon.

Presented by H. L. Jacob, Esq.

Twenty-four bottles containing chemical substances
in ordinary use for dental purposes.

Tray of specimens of metals used for dental purposes.

Fine specimens of feldspar.

Ditto, ditto, fired feldspar.

Ditto, ditto, melted feldspar.

Ditto, ditto, kaolin, feldspar from Limoges, Passau,
Hungary, and Lettilitz.

Ditto, ditto, feldspar from Limoges Potteries and
Bohemia.

Ditto, ditto, refuse crystal.

Ditto, ditto, amethystine quartz before and after
firing.

Ditto, ditto, cobalt frit.

Ditto, ditto, rutile frit.

Ditto, ditto, Cornish stone.

Other specimens of minerals (not named).

COMPARATIVE ODONTOLOGY.

CASE A.

Primates.

1. Skull of European.
2. Jaws of ditto.
3. Skull from an ancient interment in Lincolnshire (Anglo-Saxon?).

Presented by Dr. A. Carpenter.

4. Jaws (supposed to be Anglo-Saxon) from an interment at Long Wittenham.

Presented by R. Crampton, Esq.

- *5. Superior maxilla dug up at Cuma.
6. Skull of Caffir.
- *7. Ditto of Malay.
8. Ditto of Chinaman.

Presented by J. Tones, Esq.

9. Models of jaws of Aztecs.
10. Skull of Sandwich Islander.
11. Ditto of Australian native.

Presented by — Pattison, Esq.

12. Skull of Queensland Black.
Presented by — Pattison, Esq.
13. Skeleton of native of New South Wales.
Per Dr. Belisario.
14. Ditto, ditto, with duplicate skull.
Per Dr. Belisario.
15. Necklace of teeth blackened with betel-nut;
from New Guinea. *Per Dr. Belisario.*
16. Teeth of Australians (Port Stephen).
Per Dr. Belisario.
9. Cast of skull of gorilla.
Presented by Dr. McQuillen.
10. Pithecius (Simia) Satyrus (Orang).
Purchased.
11. Ditto, ditto (young).
Presented by — Philips, Esq., Batavia.

C A S E H.

Catarrhini.

12. Semnopithecus Entellus (male).
Presented by R. T. Hulme, Esq.
13. Ditto, ditto.
14. S. obscurus (female).
15. Cercopithecus cynosurus (young).
Purchased.

16. Cercopithecus cynosurus (young). *Purchased.*
17. C. callithrix (young). *Ditto.*
18. C. pileatus (young).
19. C. Mona (young). *Ditto.*
- 19a. Disarticulated skull (cercopithecus?).
20. Cercopithecus Cephus.
21. C. collaris (young).
22. Ditto, ditto (adult).
23. Macacus Rhesus (female).
Presented by R. T. Hulme, Esq.
24. Ditto, ditto (older). *Ditto.*
25. M. cynomologus (young). *Purchased.*
26. Ditto, ditto (young). *Ditto.*
27. M. radiatus (female?). *Ditto.*
28. M. simius (female). *Ditto.*
Presented by R. T. Hulme, Esq.
29. M. nemestrinus (female). *Ditto.*
30. Ditto, ditto (male). *Purchased.*
31. Ditto (nemestrinus?), aged.
32. Ditto (young female).
33. Ditto (young male).
34. Ditto (young).

Platyrrhini.

35. Ateles.

Purchased.

35 i. Ditto.

*Ditto.**Lemurida.*

35 ii. Nycticebus Javanicus.

Ditto.

35 iii. Galeopithecus ; model of lower jaw, and enlarged model of a lower incisor.

*Presented by S. J. Hutchinson, Esq.**Cheiroptera.*

36.

36 i.

36 ii.

37. Pteropus.

37 i. Ditto.

37 ii. Ditto edulis.

Purchased.

38. Ditto poliocephalus (male adult).

Presented by Dr. Belisario.

39. Ditto, ditto.

*Ditto.**Insectivora.*

41. Erinaceus Europæus.

Presented by S. Ghrimes, Esq.

41i. Erinaceus Europæus.

Presented by S. Ghrimes, Esq.

41ii. Ditto.

41iii. Ditto.

42. Gymnura Rafflesii.

Purchased.

43. Centetes ecaudatus.

Ditto.

44. Hemicentetes Madagascariensis.

Ditto.

45. Sorex Indicus.

Ditto.

46. Ditto tetragonurus.

47. Myogale Pyrenaica.

48. Talpa vulgaris.

Carnivora.

50. Canis (young).

51. Ditto (Spanish).

52. Ditto.

Presented by S. Ghrimes, Esq.

53. Ditto.

Ditto.

54. Ditto.

55. Ditto.

56. Ditto (mastiff?).

57. Ditto, ditto.

58. Ditto, ditto.

59. Ditto Dingo.

Per Dr. Belisario.

60. Canis Dingo. *Per Dr. Belisario.*
 61. Ditto, ditto (black variety). *Per Dr. Belisario.*
 62. Vulpes (diseased).

CASE I.

63. Felis domestica.
Presented by W. G. Bennett, Esq.
 64. Ditto, ditto.
 65. Ditto, ditto.
 66. Ditto Leopardus.
 67. Ditto Tigris.
 68. Tray containing canines of carnivora.
 69. Fossil sectorial tooth—hyæna.
Presented by E. Sercombe, Esq.
 70. Hyæna.
Presented by R. Waller, Esq., Cairo.
 71. Ditto.
 72. Mustela Martes.
 73. Lutra vulgaris.
 74. Meles Taxus.
 75. Ditto, ditto.
Presented by T. A. Rogers, Esq.
 76. Arctictis Binturong. *Purchased.*
 77. Nasua fusca. *Ditto.*

78. Ursus — ?

79. Ditto.

80. Model of jaws of Otaria Hookeri.

Presented by C. L. Vasey, Esq.

81. Trichechus rosmarus

82. Tusks of ditto.

83. Phoca Greenlandica. *Purchased.*

84. Teeth of Australian seals.

Per Dr. Belisario.

85. Hyrax capensis.

Presented by C. S. Tomes.

Rodentia.

86. Hydrochærus Capybara. *Purchased.*

87. Cavia porcellus.

Presented by S. Ghrimes, Esq.

88. Lepus timidus (several specimens).

Ditto.

89. Arvicola amphibius.

90. Mus sylvestris.

91. Sciurus Carolinensis.

92. Ditto niger.

93. Ditto Americanus ?

Presented by S. Ghrimes, Esq.

94. Ditto vulgaris ?

95. *Mus decumanus*.
 96. Ditto.
 97. Ditto.
 98. Tray of rodent incisors.
 99. *Mus musculus*.
 99 i. Ditto.
 100. *Geomys bursarius*.
 101. *Hystrix longicauda* (?). *Purchased.*

Ungulata.

102. *Equus Caballus*.
 103. Front of jaw of horse (showing the "mark").
 104. Ditto, ditto (older, mark obliterated).
 105. Portion of jaw dug out at Pompeii.
Presented by J. Fletcher, Esq.
 106. Jaw of sucking-pig.
 107. Skull of ditto.
Presented by W. G. Bennett, Esq.
 108. *Sus scrofa*. *Purchased.*
 109. Tusks of boar (wild).
Presented by N. Wetherall, Esq.
 110. Ditto, ditto (domesticated).

- 110 i. Tusks of pigs used as needles ; from South Sea Islands.

Per Dr. Belisario.

111. Sus Babirusa.

Presented by Dr. Halley.

112. Ditto (lower jaw only).

113. Hippopotamus amphibius.

Presented by M. Finnie Bey.

114. Ditto, developing tusk (?).

- 114 i. Ditto, fossil molars of.

115. Camelus.

Presented by J. Scully, Esq.

116. Moschus moschiferus (portion of jaw).

Presented by R. T. Hulme, Esq.

117. Ditto (skull).

Purchased.

118. Goat.

Ditto.

119. Molar series (of cow ?).

120. Three trays containing partially - developed calves' teeth.

- 120 i. Deciduous tusk of elephant.

121. Fossil molar of African elephant.

122. Six molar teeth of Asiatic ditto.

Presented by S. Ghrimes, Esq.

123. Slices of molar teeth of Asiatic elephant.

Presented by S. Ghrimes, Esq.

124. Portion of upper jaw of elephant, showing a
developing molar tooth *in situ*.

Presented by C. S. Tomes, Esq.

Cetacea.

125. Eight teeth of the sperm whale.

Per Dr. Belisario.

126. Delphinus.

127. Ditto.

Sirenia.

128. Halicore dugong (tusk).

129. Ditto, ditto (molar).

Bruta.

130. Armadillo.

Purchased.

MARSUPIALIA.

135. Phascolomys wombat—incisor teeth of.

Per Dr. Belisario.

136. Ditto, ditto—molar teeth of.

Per Dr. Belisario.

137. *Phascolomys wombat* (gigantic fossil species)
—incisor tooth of.
Per Dr. Belisario.
138. *Macropus major* (skull, with skeleton).
Per Dr. Belisario.
139. Ditto, ditto, skull (half-grown).
Per Dr. Belisario.
140. Ditto, ditto, ditto.
Per Dr. Belisario.
141. Ditto (extinct species)—pre-molar of.
Per Dr. Belisario.
142. *Halmaturus Bennettii* (wallaby, from Tasmania)—adult male.
Per Dr. Belisario.
143. Ditto *Ualabatus* (black wallaby) ; eleven skulls, illustrating various periods of dentition.
Per Dr. Belisario.
- 143 i. Ditto *Mastersii*.
Presented by D. R. Eden, Esq.
144. Ditto *Billardieri*—adult male.
Per Dr. Belisario.
- 144 i. Ditto *Derbianus*.
Purchased.
145. Ditto (small species) ; six skulls of various ages, in which the rudimentary canine may be seen.
Per Dr. Belisario.

146. *Halmaturus Thetidis*.

Presented by D. R. Eden, Esq.

146 i. *Hypsiprymnus* ; model of lower jaw.

Presented by S. J. Hutchinson, Esq.

146 ii. *Thylacoleo* ; model of blade-shaped tooth.

Presented by S. J. Hutchinson, Esq.

147. *Bettongia campestris*.

Presented by D. R. Eden, Esq., Queensland.

147 i. Ditto *Graii*.

Presented by D. R. Eden, Esq.

147 ii. Ditto *cuniculus*.

Presented by D. R. Eden, Esq.

(Cf. Krefft's "Australian Mamals," p. 12.)

148. *Phascolarctos cinereus* (Port Stephen) ; skull
and skeleton.

Per Dr. Belisario.

148 i. Ditto, ditto (young specimen).

Per Dr. Belisario.

148 ii. Ditto, ditto (half-grown).

Per Dr. Belisario.

148 iii. Ditto, ditto.

Presented by D. R. Eden, Esq.

149. *Phalangista Cookii*.

Presented by D. R. Eden, Esq.

150. *Phalangista vulpina*; five skulls, of different ages: the first an aged male, the others full-grown, but not having attained their final dentition.
Per Dr. Belisario.
151. Ditto, ditto.
Presented by D. R. Eden, Esq.
152. *Petaurista Taguanoides*.
Presented by D. R. Eden, Esq.
153. Ditto, ditto.
Per Dr. Belisario.
154. *Perameles nasuta* (Port Stephen); adult male.
Per Dr. Belisario.
155. Ditto, ditto (two skulls).
Per Dr. Belisario.
156. *Phascogale*; skull of.
Per Dr. Belisario.
157. *Antechinus*; skull and skeleton.
Per Dr. Belisario.
158. *Sarcophilus ursinus*.
Per Dr. Belisario.
159. Ditto, ditto; detached teeth of.
Per Dr. Belisario.
160. *Dasyurus viverrinus* (native cat of Tasmania).

161. *Dasyurus maculata*.
Per Dr. Belisario.
162. *Thylacinus cynocephalus*.
Per Dr. Belisario.

Monotremata.

- *163. *Ornithorhynchus paradoxus*.
Presented by C. S. Tomes, Esq.
166. *Crocodylus*.
Ditto.
167. *Ditto biporcatus* (two teeth).
Per Dr. Belisario.
168. *Gavial* (one tooth).
Per Dr. Belisario.
- 168 i. *Alligator* (mummy).
- 168 ii. *Tortoise*.
Presented by Jabez Hogg, Esq.
169. *Ditto*.
Presented by S. Ghrimes, Esq.
170. *Ditto*.
171. *Horny sheaths* (from jaw of turtle?).
172. *Lizard*.
173. *Cyclodus*.
Per Dr. Belisario.
174. *Hinulia Whitei*.
Per Dr. Belisario.
175. *Egeria Cunninghamii*.
Per Dr. Belisario.

176. Gecko.
Per Dr. Belisario.
- 177.
180. Morelia epilotes (Australian rock snake).
(Cf. "Snakes of Australia," Krefft, Plate I.)
Per Dr. Belisario.
181. Clotho arietans.
Purchased.
- Pisces.*
182. Raia ———?
Presented by E. Sercombe, Esq.
183. Ditto.
184. Myliobates, teeth of.
185. Jaws of myliobates.
Presented by H. King, Esq.
186. Ditto of shark.
Presented by W. K. Bridgman, Esq.
187. Ditto of Carcharias glaucus.
188. Fossil tooth of Carcharias Megalodon.
189. Jaws of shark (Lamna?).
190. Ditto, ditto.
- 191.
- 192.
193. Shark.
194. Ditto.

195. Shark.
196. Cestracion Philippi. *Per Dr. Belisario.*
197. Fossil shark's teeth from the crag, Walton-on-the-Naze.
Presented by C. S. Tomes, Esq.
198. *Pristis*, rostrum of.
199. Ditto, ditto.
Presented by C. J. Fox, Esq.
200. Ditto, ditto.
Presented by E. Hulme, Esq.
201. *Diodon*, jaws of.
Purchased.
202. *Tetrodon*, skin and jaws.
- 203.
- 204.
205. *Anarrichas Lupus*.
206. *Esox Lucius*; dried head and jaws.
Presented by F. Petty, Esq.
- 206 i. Tench, pharyngeal teeth of.
Presented by F. Petty, Esq.
207. Turbot—pharyngeal teeth.
208. Hippocampus.
209. Syngnathus.
210. Photograph of teeth of *Hirudo medicinalis*,
× 480.
Presented by — Dennant, Esq.

A watercolour drawing by Richardson, 1787,
“Transplantation of Teeth.”

Presented by J. L. Statham, Esq.

A grotesque plaster model, representing the
extraction of teeth.

Presented by E. Saunders, Esq.

MICROSCOPIC SECTIONS.

1. Section of a typical canine tooth.

Presented by C. S. Tomes, Esq.

2. Injected pulp from tooth of calf.

Presented by Dr. McQuillen.

3. Section showing interglobular spaces coloured by carmine.

Presented by Dr. McQuillen.

4. Ditto, ditto.

Presented by Dr. McQuillen.

5. Section showing earliest rudiment of tooth-germ.

Presented by C. S. Tomes, Esq.

6. Pulp containing calcareous deposits.

Presented by Charters White, Esq.

7. Section of geminated incisor teeth.

Presented by Charters White, Esq.

8. Section of the odontome (No. 377) figured in the "Transactions," January, 1872.

9. Peripheral dentine shell from the same.

10. Interior substance of same.

11. Three sections illustrating paper on "Inostosis."

Cf. "Odont. Trans.," April, 1872.

Presented by G. Henry, Esq.

24. Sections of teeth of Fish and Batrachia from the Northumbrian Coal Measures ; comprising specimens of *Gastrodus*, *Pternodus*, *Ganacrodus*, *Ganolodus*, *Mioganodus*, *Agaleodus*, with other unnamed teeth. — Cf. Professor Owen, in "Trans. Odont. Society," vol. v., 1867.

WYMAN AND SONS, PRINTERS,
GREAT QUEEN STREET, LINCOLN'S-INN FIELDS,
LONDON, W.C.

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